sound physical reasoning. The diagrams are all line or plane drawings and the printer has made little effort to place them on the same page as the discussion which refers to them. Following designated rays through designated points is quite difficult in optics illustrations and the printer has made this more difficult by labelling line segments and points with the same case letters in many of the drawings.

The reader may be somewhat shocked at the very beginning when he reads the incomplete statement of the law of reflection as "The angle of reflection is equal to the angle of incidence." There is no mention of the fact that the incident ray, the reflected ray, and the normal to the reflecting surface must all lie in the same plane although many of the subsequent proofs depend on this fact. No other omissions similar to this were found and statements of laws are in general accurate throughout the book.

The problems at the end of each chapter are well written to review the subject matter covered but no answers are given. The problems are often constructed so that they introduce the material of the next chapter by raising further questions for the reader. No particular grading of the problems is apparent and there is a limited number of them.

The author's development of the wave concept seems to serve no other purpose than to get the reader acquainted with problems of nuclear physics. There are no excursions into the areas of modern solid state physics or the area of low temperature work where one finds many interesting applications of quantized quantities. Several applications are given in atomic physics insofar as they add to the chronological development of the wave mechanics concept and the reader is introduced to the names and work of those men who made significant contributions.

Most teachers should find this a good book to read in order to review or supplement their knowledge of quantum concepts in physics. They should also find many interesting ways to present concepts of modern physics to their students without obscuring the physical arguments with mathematical details. Any student will find this to be excellent introductory reading and I am sure that experts in the field will find new and interesting ways of considering problems in quantum physics.

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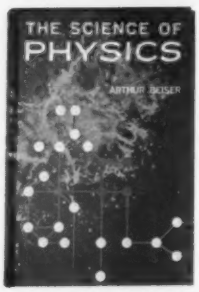

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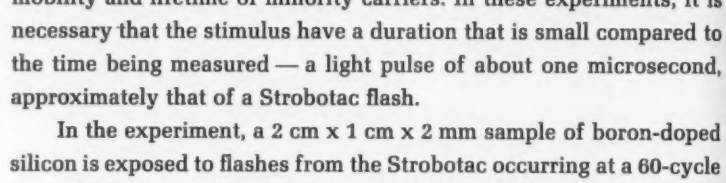
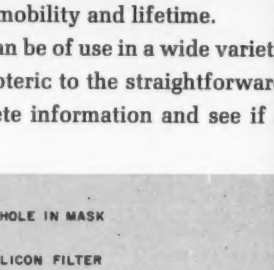


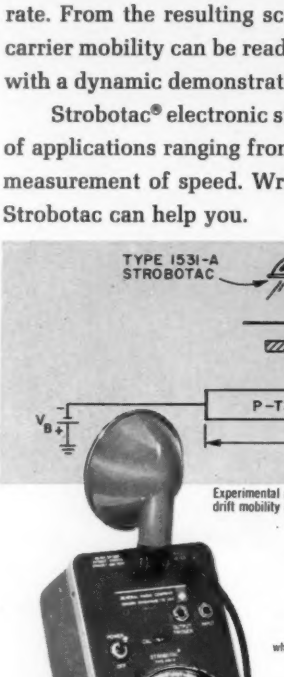
Experimental arrangement for drift mobility measurement.

Resulting scope trace. Horizontal scale is 20 μs/division. Drift mobility can be calculated from the equation:

$$\mu_d = \frac{dl}{Vt}$$

where μ_d = drift mobility
d = distance from sample edge to stimulated area
l = length of sample
V = applied voltage across silicon sample ($V = V_B - V_R$)





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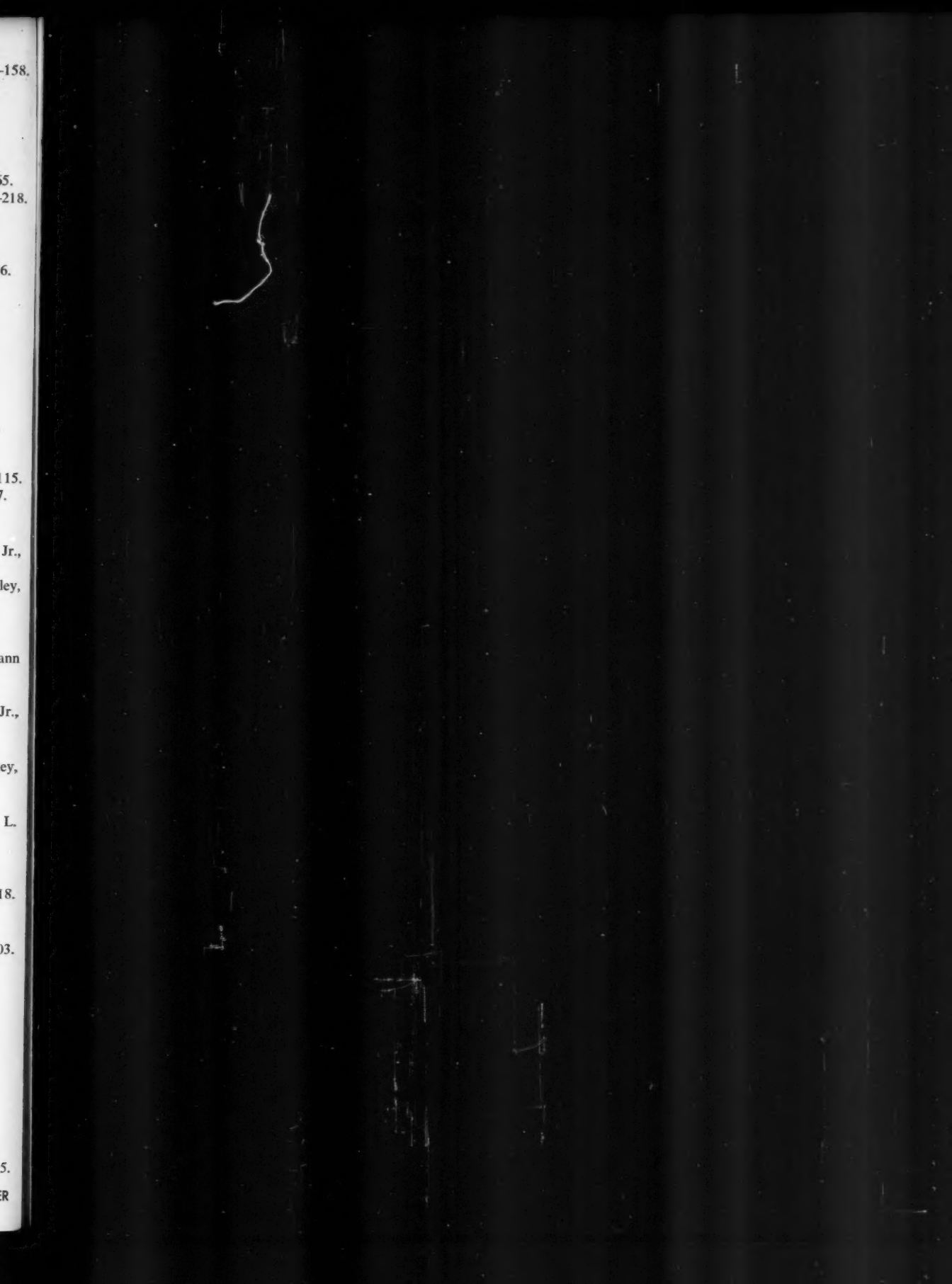
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